Reinsurance Year: 2011 Version: Approved Release Date: 6/30/2010

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion	
	0011 Wheat	0021 Cotton	0078 Sunflower
Commodity Code	0015 Canola	0041 Corn	0081 Soybeans
	0018 Rice	0051 Grain Sorghum	0091 Barley

Record Code: P21

0018 Rice	0051 Grain Sorghum			0091 Barley		
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	<u>Rounding</u>	<u>Rules</u>
Section 1: Stage Guarantee Calculation						
Guarantee Per Acre = Approved Yield * Coverage Level Percent	Guarantee Per Acre	Internal		999999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Approved Yield	P11	47	99999999.99	None	
	Coverage Level Percent	P14	33	9.9999	None	
Acre Guarantee Quantity = Guarantee per Acre * Guarantee Adjustment Factor	Acre Guarantee Quantity	P11	101	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	

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Exhibit Name: Indemnity Calculations **Exhibit Number:** P21-2, Plan 02 & 03

Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2011 Version: Approved

Release Date: 6/30/2010

Record Code: P21			Release Date: 6/30/2010				
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harve	est Price Ex	clusion			
	0011 Wheat	0021 Cotton			0078 Sunflowe	r	
Commodity Code	0015 Canola	0041 Corn			0081 Soybeans	5	
	0018 Rice	0051 Grain Sorghum			0091 Barley		
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	<u>Rounding</u>	<u>Rules</u>
Revenue Protection, "02",	Revenue Protection Guarantee Calculation:						
	Acre Stage Guarantee Amount	P21	36	999999999.99	Round to nearest Dollar and cents.		
Acre Stage Guarantee	= Acre Guarantee Quantity * (Projected Price or Harvest Price which ever is greater * Price Election Percent)	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "00810".
Amount	Price which ever is greater. Price Election Percent)	Harvest Price	ADM		99999.9999	None	Edit with ADM Price, "00810".
		Price Election Percent	Internal		9.999	None	Must equal 1.000
Revenue Protection with Harvest Price Exclusion, "03", Revenue Protection Guarantee Calculation: Revenue Protection Stage Acro Guarantee Quantity * (Projected Price * Price)		Acre Stage Guarantee Amount	P21	36	999999999.99	Round to nearest Dollar and cents.	
Guarantee Per Acre = Flection Percent)	= Acre Guarantee Quantity * (Projected Price * Price Election Percent)	Projected Price	ADM		99999.9999		Edit with ADM Price, "00810".
Guarantee rennere		Price Election Percent	Internal		9.999		Must equal 1.000
Section 2: Loss Guarantee					3.333		
		Loss Guarantee Amount	P21	49	99999999.99	Round to whole number.	
Loss Guarantee Amount	= Acre Stage Guarantee Amount * Determined Acreage *	Determined Acreage	P21	17		None	
	Liability Adjustment Factor	Liability Adjustment Factor	P21	40	9.999999	None	
		Revenue Conversion Production to Count	P21	46		Round to whole number.	
Revenue Conversion Production to Count	= Production to Count Quantity * Harvest Price	Production to Count Quantity	P21	34	99999999.99	Round to nearest whole pounds, nearest hundreth for tonage commodities, or nearest tenths for other units of measure.	
		Harvest Price	ADM		99999.9999		Edit with ADM Price, "00810". If Harvest Price has not been released for revenue Protection, "02", the Projected Price can be used for validation of Revenue to Count.

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Record Code: P21

Reinsurance Year: 2011 Version: Approved **Release Date:** 6/30/2010

03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 02 Revenue Protection 0078 Sunflower 0011 Wheat 0021 Cotton Commodity Codo 0015 Canola 0041 Corn 0081 Soyheans

Commodity Code	0015 Canola	0041 Corn			0081 Soybeans	i		
	0018 Rice	0051 Grain Sorghum			0091 Barley			
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>		
	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	<u>Rounding</u>	<u>Rules</u>	
Section 3: Indemnity Calcu	Section 3: Indemnity Calculation							
Unit Deficiency Quantity	= Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	35	\$99999999.99	Round to whole number.		
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	52	S9999999999	Round to whole number.			
		Insured Share Percent	P11	46	9.999	None		
	Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	53	S999999999	Round to whole number.		
Indemnity Amount		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".	
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		\$999999999	Round to whole number.		
Section 4: Stage Guarante	e Calculation							
Prevented Planting Payme	nt for Revenue Protection, "02", and Revenue Protection	with Harvest Price Exclusion, "03"	".					
When Stage Code equals:	Prevented Planting Option 1, "P1",							
	Prevented Planting Option 2, "P2",							
	Prevented Planting Option 3, Harvested, "H3",							
	Prevented Planting Option 3, Unharvested, "U3",							
	Prevented Planting Uninsured Loss, "PU",							
	Prevented Planting Add 10 Percent. "PT".							

	revented ranting option 1, 11,						
	Prevented Planting Option 2, "P2",						
	Prevented Planting Option 3, Harvested, "H3",						
	Prevented Planting Option 3, Unharvested, "U3",						
	Prevented Planting Uninsured Loss, "PU",						
	Prevented Planting Add 10 Percent, "PT",						
	Prevented Planting Add 5 Percent, "PF"						
		Acre Stage Guarantee Amount	P21	36	999999999999999999999999999999999999999	Round to dollar and cents.	
Acre Stage Guarantee _	Acre Guarantee Quantity * (Projected Price * Price	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "00810".
Amount =	Election Percent) * Guarantee Adjustment Factor	Price Election Percent	ICE		9,9999	None	Edit with ICE Price Election Percent,
		Price Election Percent	ICE		9.9999	None	"D00007".
		Guarantee Adjustment Factor	P11	75	0.999	None	

	Section 5: Prevented Planting Payment Loss Guarantee Calculation							
	Acre Stage Guarantee Amount * Determined Acreage *	Loss Guarantee Amount	P21	49	99999999.99	Round to whole number.		
	Loss Guarantee Amount = Liability Adjustment Factor	Determined Acreage	P21	17	99999999.99	None		
		Liability Adjustment Factor	P21	40	9.999999	None		

Exhibit Name: Indemnity Calculations Reinsurance Year: 2011 Exhibit Number: P21-2, Plan 02 & 03 Version: Approved **Record Name:** Acreage Claim Record Code: P21 **Release Date:** 6/30/2010 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 02 Revenue Protection 0078 Sunflower 0011 Wheat 0021 Cotton **Commodity Code** 0015 Canola 0041 Corn 0081 Soybeans 0051 Grain Sorghum 0091 Barley 0018 Rice Field Field Record Field Field **Calculations** <u>Name</u> **Number** Number **Format Rounding Rules** Section 6: Prevented Planting Payment Indemnity Calculation Preliminary Indemnity = Loss Guarantee Amount * Insured Share Percent S999999999 Round to whole number. Preliminary Indemnity Amount P21 52 **Insured Share Percent** P11 46 9.999 None 53 Indemnity Amount P21 S999999999 Round to whole number. Preliminary Indemnity Amount * Multiple Commodity Indemnity Amount = Multiple Commodity Adjustment **Adjustment Factor** ICE 9999.999 None Edit with ICE Multiple Cropping, "D00063". Factor Total Indemnity ∑ Indemnity Amount for the Unit **Total Indemnity** Internal S999999999 Round to whole number. **Section 7: Stage Guarantee Calculation** Replant Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03" When Stage Code equals Replanted, "R", Replanted Seed, "RS", Replanted Transplant, "RT" When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure 99999999.99 Guarantee Per Acre Internal equals Tons, "Tons", then Guarantee Per Acre = Approved Yield * Coverage Level Percent Round to 2 decimals. Otherwise, Round to 1 decimal.

P11

P14

47

33

9999999.99

9.9999

None

None

Approved Yield

Coverage Level Percent

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Reinsurance Year: 2011 Version: Approved Release Date: 6/30/2010

Record Code: P21

Insurance Plan Code02 Revenue Protection03 Revenue Protection with Harvest Price ExclusionCommodity Code0011 Wheat0021 Cotton0078 SunflowerCommodity Code0015 Canola0041 Corn0081 Soybeans0018 Rice0051 Grain Sorghum0091 Barley

0018 Rice	0051 Grain Sorgnum			0091 Bariey		
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
Acre Guarantee Quantity = Guarantee per Acre * Guarantee Adjustment Factor	Acre Guarantee Quantity	P11	101	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	Guarantee Adjustment Factor would be for any initially late planted acres.

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Exhibit Name: Indemnity Calculations

Exhibit Number: P21-2, Plan 02 & 03

Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2011

Version: Approved Release Date: 6/30/2010

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion				
	0011 Wheat	0021 Cotton	0078 Sunflower			
Commodity Code	0015 Canola	0041 Corn	0081 Soybeans			
	0018 Rice	0051 Grain Sorghum	0091 Barley			

	0015 Callola	0041 COM			0001 30ybeans		
	0018 Rice	0051 Grain Sorghum			0091 Barley		
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
9	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
	Price Election Amount	Internal		9999.999	When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99]. When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078"; round to nearest one-tenth cent [\$9.999].		
Price Election Amount =		Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810". Contract Price may be used in Lieu of the Projected Price for specialty types of Soybeans or Barleys. If the insured chooses to use the contract price, the contract price per bushel should be entered in the contract price field. The contracted price will be capped by RMA at a centain percentage over the projected price for Soybeans and Barley as specified in the Special Provisions.
		Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00, when Insurance Plan Code equals Revenue Protection, "02". Otherwise, edit with ICE Price Election Percent, "D00007".

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Reinsurance Year: 2011

Insurance Plan Code02 Revenue Protection03 Revenue Protection with Harvest Price ExclusionCommodity Code0011 Wheat0021 Cotton0078 SunflowerCommodity Code0015 Canola0041 Corn0081 Soybeans0018 Rice0091 Barley

Record Code: P21

	0018 Rice	0051 Grain Sorghum			0091 Barley		
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	<u>Rounding</u>	<u>Rules</u>
	Lesser of:	Acre Stage Guarantee Amount	P21	36	999999999.99	Round to 1 decimal.	
Acre Stage Guarantee Amount = $\frac{(20\%)}{OR}$	= (20% of Acre Guarantee Quantity OR Maximum Stage Guarantee) * Price Election Amount	Price Election Amount	Internal		99999.999	None	Price Election Percent must equal 1.00 when Insurance Plan Code is Yield Protection, "01" or Revenue Protection, "02".
		Maximum Stage Guarantee					
Section 8: Replant Payment	Loss Guarantee Calculation						
	Replant Stage Guarantee Per Acre * Determined	Loss Guarantee Amount	P21	49	99999999.99	Round to whole number.	
Loss Guarantee Amount =	Acreage * Liability Adjustment Factor	Determined Acreage	P21	17	99999999.99	None	
	Acreage Liability Adjustment Factor	Liability Adjustment Factor	P21	40	9.999999	None	
Section 9: Replant Payment	t Indemnity Calculation						
Preliminary Indemnity =	: Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount	P21	52	S999999999	Round to whole number.	
Amount		Insured Share Percent	P11	48	9.999	None	
		Indemnity Amount	P21	53	S999999999	Round to whole number.	
Indemnity Amount =	Preliminary Indemnity Amount	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	

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Reinsurance Year: 2011

Version: Approved

Release Pate: 6/20/2010

	Record Name: Record Code:	Acreage Claim P21			Version: Release Date:	Approved 6/30/2010	
						-,,	
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harve	est Price Ex	clusion			
Commodity Code	0011 Wheat 0015 Canola	0021 Cotton 0041 Corn			0078 Sunflowe		
	0018 Rice	0051 Grain Sorghum			0091 Barley		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
Section 10: Stage Guaran	tee Calculation						
Malting Barley Price and C	Quality Endorsement						
		Production Guarantee Per Acre	Internal		999999999999999999999999999999999999999	Round to nearest whole pounds, nearest hundreth for tonage commodities, or nearest tenths for other units of measure.	
Production Guarantee Per Acre	(Approved Yield * Coverage Level Percent) * Guarantee Adjustement Factor	Approved Yield				Round to nearest tenths for Barrels and Tons, otherwise nearest whole number for other units of measure.	Malting Barley-Option A (MA)- Lesser of: MA Yield for Malt Barley OR APH Yield for Barley Malting Barley-Option B (MB) - Lesser of: Contracted Bushels per Acre OR APH Yield for Barley
		Coverage Level Percent	P14	33	9.9999	None	
		Guarantee Adjustment Factor	P11	75	0.999	None	Guarantee Adjustment Factor would be for late planted acres.

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Exhibit Name: Indemnity Calculations

Exhibit Number: P21-2, Plan 02 & 03

Record Name: Acreage Claim

Record Code: P21

Reinsurance Year: 2011

Version: Approved Release Date: 6/30/2010

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion				
	0011 Wheat	0021 Cotton	0078 Sunflower			
Commodity Code	0015 Canola	0041 Corn	0081 Soybeans			
	0018 Rice	0051 Grain Sorghum	0091 Barley			

Commodity Code 0015 Canola	0041 Corn 0081 Soybeans						
0018 Rice	0051 Grain Sorghum			0091 Barley			
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>		
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	<u>Rounding</u>	<u>Rules</u>	
Price Election Amount = Additional Value Price	Price Election Amount	Internal		99999.999		Malting Barley - Option A (MA) - (1) The RMA issued Malting Barley Additional Value Price, or (2) Malting Barley price amount (Premium Amount) from a price agreement or a Malting Barley production contract that will be paid in addition to a specified barley futures price, or (3) The rpice per bushel from a price agreement or a malting barley production contract for malting barley less the barley Projected price. The additional value prcie is limited to \$1.25. Malting Barley-Option B (MB) (1) Malting barley price amount from a malting barley futures price, or (2) The price per bushel from a malting barley production contract for malting barley less the barley Projected Price. The additional value price is limited to \$2.00.	
Acre Stage Guarantee	Acre Stage Guarantee Amount	P21	36	999999999.99	Round to dollar and Cents		
Section 11: Malting Barley Loss Guarantee Calculation							
Acre Stage Guarantee Amount * Determined Acreage	Loss Guarantee Amount	P21	49	99999999.99	Round to whole number.		
Loss Guarantee Amount = * Liability Adjustment Factor	Determined Acreage	P21	17	99999999.99	None		
	Liability Adjustment Factor	P21	40	9.999999	None		

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Reinsurance Year: 2011

Record Code: P21

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion		
	0011 Wheat	0021 Cotton	0078 Sunflower	
Commodity Code	0015 Canola	0041 Corn	0081 Soybeans	
	0018 Rice	0051 Grain Sorghum	0091 Barley	

<u> </u>	00.12 00.11						
	0018 Rice	0051 Grain Sorghum	0091 Barley				
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
Revenue Conversion = Production to Count Quantity * Price Election Am	Draduction to Count Quantity * Drice Flection Amount	Revenue Conversion Production	P21	46	99999999.99	Round to 2 decimals.	
		To Count					
	- Production to Count Quantity * Price Election Amount	Production to Count Quantity	P21	34	99999999.99	None	
		Price Election Amount	Internal		99999.9999	None	
Section 12: Malting Barley Indemnity Calculation							
Unit Deficiency Quantity =	Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	35	\$99999999.99	Round to whole number.	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	=Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	52	S9999999999	Round to whole number.	
	Insured Share Percent	P11	48	9.999	None		
Indemnity Amount = Preliminary Indemnity Amount * Multiple Comm Adjustment Factor	Proliminary Indomnity Amount * Multiple Commodity	Indemnity Amount	P21	53	S9999999999	Round to whole number	
		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
	Aujustinent ractor						
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S999999999	Round to whole number.	

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